

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services  
Division of Environmental Health, 11 SHS  
(207) 287-5672 FAX (207) 287-4172

<b>PROPERTY LOCATION</b>		<b>&gt;&gt; CAUTION: LPI APPROVAL REQUIRED &lt;&lt;</b>	
City, Town, or Plantation	LAMOINE	Town/City <u>LAMOINE</u>	Permit # <u>1741</u>
Street or Road	LAMOINE BEACH ROAD	Date Permit Issued <u>7/22/14</u>	Fee \$ <u>250</u> Double Fee Charged ( )
Subdivision, Lot #		<u>[Signature]</u>	L.P.I. # <u>1040</u>
<b>OWNER/APPLICANT INFORMATION</b>		Local Plumbing Inspector Signature	
Name (last, first, MI)	STEWART, MARGARET	<input type="checkbox"/> Owner <input checked="" type="checkbox"/> Town <input type="checkbox"/> State <input type="checkbox"/> Applicant	
Mailing Address of	368 LAMOINE BEACH ROAD	The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with the application and the Maine Subsurface Wastewater Disposal Rules.	
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant	LAMOINE, ME. 04605		
Daytime Tel. #	(207) 667-5607	Municipal Tax Map # <u>1</u>	Lot # <u>74</u>
<b>OWNER OR APPLICANT STATEMENT</b>		<b>CAUTION: INSPECTION REQUIRED</b>	
I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a permit. <u>Margaret Stewart</u> <u>7/21/14</u> Signature of Owner or Applicant Date		I have inspected the installation authorized above and found it to be in compliance with Subsurface Wastewater Disposal Rules Application. <u>[Signature]</u> <u>8/1/14</u> Local Plumbing Inspector Signature (1st Date Approved) <u>[Signature]</u> <u>8/2/14</u> (2nd Date Approved)	

PERMIT INFORMATION		
<b>TYPE OF APPLICATION</b> <input checked="" type="checkbox"/> 1. First Time System <input checked="" type="checkbox"/> 2. Replacement System Type Replaced: <u>TRENCH</u> Year Installed: <u>1960's</u> <input type="checkbox"/> 3. Expanded System <input type="checkbox"/> a. < 25% Expansion <input type="checkbox"/> b. ≥ 25% Expansion <input type="checkbox"/> 4. Experimental System <input type="checkbox"/> 5. Seasonal Conversion	<b>THIS APPLICATION REQUIRES</b> <input checked="" type="checkbox"/> 1. No Rule Variance <input checked="" type="checkbox"/> 2. First Time System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval <input type="checkbox"/> 3. Replacement System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval <input type="checkbox"/> 4. Minimum Lot Size Variance <input type="checkbox"/> 5. Seasonal Conversion Permit  <b>DISPOSAL SYSTEM TO SERVE</b> <input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <u>4</u> <input type="checkbox"/> 2. Multiple Family Dwelling, No. of Units: _____ <input type="checkbox"/> 3. Other: (SPECIFY) _____ Current Use: <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped	<b>DISPOSAL SYSTEM COMPONENT(S)</b> <input checked="" type="checkbox"/> 1. Complete Non-engineered System <input type="checkbox"/> 2. Primitive System (graywater & alt. toilet) <input type="checkbox"/> 3. Alternative Toilet, specify: _____ <input type="checkbox"/> 4. Non-engineered Treatment Tank (only) <input type="checkbox"/> 5. Holding Tank, _____ gallons <input type="checkbox"/> 6. Non-engineered Disposal Field (only) <input type="checkbox"/> 7. Separated Laundry System <input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more) <input type="checkbox"/> 9. Engineered Treatment Tank (only) <input type="checkbox"/> 10. Engineered Disposal Field (only) <input type="checkbox"/> 11. Pre-treatment, specify: _____ <input type="checkbox"/> 12. Miscellaneous components  <b>TYPE OF WATER SUPPLY</b> <input type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private <input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other: _____
<b>SIZE OF PROPERTY</b> _____ sq. ft. <u>5±</u> acres <b>SHORELAND ZONING</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

## DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

<b>TREATMENT TANK</b> <input checked="" type="checkbox"/> 1. Concrete ( <u>WATER TIGHT</u> ) <input type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input type="checkbox"/> 2. Plastic <input checked="" type="checkbox"/> 3. Other: <u>LIFT STATION</u> CAPACITY <u>1000</u> gallons	<b>DISPOSAL FIELD TYPE &amp; SIZE</b> <input checked="" type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench <input type="checkbox"/> 3. Proprietary Device _____ <input type="checkbox"/> a. Cluster Array <input type="checkbox"/> c. Linear <input type="checkbox"/> b. Regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other: _____ SIZE <u>1200</u> sq. ft. <input type="checkbox"/> lin. ft.	<b>GARBAGE DISPOSAL UNIT</b> <input checked="" type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe If Yes or Maybe, specify one below: <input type="checkbox"/> a. Multi-compartment Tank <input type="checkbox"/> b. _____ Tanks in Series <input type="checkbox"/> c. Increase in Tank Capacity <input type="checkbox"/> d. Filter on Tank Outlet	<b>DESIGN FLOW</b> <u>360</u> gallons per day BASED ON <input checked="" type="checkbox"/> 1. Table 4A (dwelling unit(s)) <input type="checkbox"/> 2. Table 4C (other facilities) SHOW CALCULATIONS for other facilities
<b>SOIL DATA &amp; DESIGN CLASS</b> PROFILE <u>2/3/1 C</u> CONDITION _____ at Observation Hole # <u>1</u> Depth <u>22"</u> OF MOST LIMITING SOIL FACTOR	<b>DISPOSAL FIELD SIZING</b> <input type="checkbox"/> 1. Medium - 2.6 sq. ft./gpd <input checked="" type="checkbox"/> 2. Medium-Large - 3.3 sq. ft./gpd <input type="checkbox"/> 3. Large - 4.1 sq. ft./gpd <input type="checkbox"/> 4. Extra Large - 5.0 sq. ft./gpd	<b>EFFLUENT/EJECTOR PUMP</b> <input type="checkbox"/> 1. Not Required <input type="checkbox"/> 2. May be Required <input checked="" type="checkbox"/> 3. Required Specify only for engineered systems DOSE: _____ gallons	<input type="checkbox"/> 3. Section 4G (meter readings) ATTACH WATER METER DATA <b>LATITUDE AND LONGITUDE</b> at Center of Disposal Area Lat. <u>44° 28' 04" N</u> Lon. <u>68° 19' 12" W</u> If g.p.s., state margin of error <u>30'</u>

## SITE EVALUATOR STATEMENT

I certify that on 5-19-14 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

<u>[Signature]</u> Site Evaluator Signature <b>WILLIAM A. LaBELLE, JR.</b> Site Evaluator Name Printed	<u>319</u> SE# <u>(207) 537-5900</u> Telephone Number	<u>5-24-14</u> Date <u>labelleseptic@rivah.net</u> E-mail Address
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Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

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(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation

LAMOINE

Street, Road, Subdivision

LAMOINE BEACH ROAD

Owner or Applicant Name

MARGARET STEWART

SITE PLAN

Scale 1" = 40 Ft.

SITE LOCATION PLAN  
(Attach map from Maine Atlas  
for First Time System Variance)

Old Meeting House 1/10 MI. SITE  
Shore Road Lamoine Beach Road

(SEE ATTACHED SITE PLAN)

## SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above or on pg. 2A)

Observation Hole #1 ☒ Test Pit ☐ Boring

2" Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling
FINE		DARK BROWN	
SANDY		(10YR 3/3)	
LOAM	FRIABLE	DARK YEL. BROWN (10YR 4/6)	N.E.
TO		LIGHT	
LOAMY		OLIVE	COMMON
FINE	FIRMER	BROWN	DISTINCT
SAND		(2.5Y 5/6)	
(STANDING WATER @ 34")			
Soil Profile 2/3	Classification C	Slope 2%	Limiting Factor 22" Depth
<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth			

Observation Hole #2 ☒ Test Pit ☐ Boring

2" Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling
FINE SANDY LOAM		DARK BROWN	
TO		(10YR 3/3)	
LOAMY	FRIABLE	YELLOWISH BROWN (10YR 5/6)	
FINE		DARK	
SAND	FIRMER	YELLOWISH BROWN	N.E.
		(10YR 4/6)	
Soil Profile 2/3	Classification C	Slope 2%	Limiting Factor 26" Depth
<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth			

W. O. L. N.  
Site Evaluator's Signature

319  
S. E. #

5-24-14  
Date

Town, City, Plantation  
**LAMOINE**

Street, Road, Subdivision  
**LAMOINE BEACH ROAD**

Owner or Applicant Name  
**MAGARET STEWART**

**SITE PLAN:**

SCALE: 1" = 40 FT.

ERP, NAIL IN  
8" DIA.  
PINE

8" DIA.  
MAPLE,  
FOR TIE

MAGNETIC  
NORTH

APPROX PULP PIER OWNER

GRAVEL

51'  
35'  
39'  
56°  
TP1  
TP2  
PROPOSED  
20'x60'  
LEACHFIELD  
2" PRESSURE LINE, PROTECT  
FROM FREEZING AND  
CRUSHING.

BARN

PAVED

PROPOSED  
1000 GAL.  
SEPTIC TANK  
WITH LIFT STATION  
PUMP AND REMOVE  
EXISTING TANK

HOUSE

PAVED

WELL

LAMOINE BEACH ROAD

*W. C. 2.7*

Site Evaluator's Signature

319

S.E. #

5-24-14

Date

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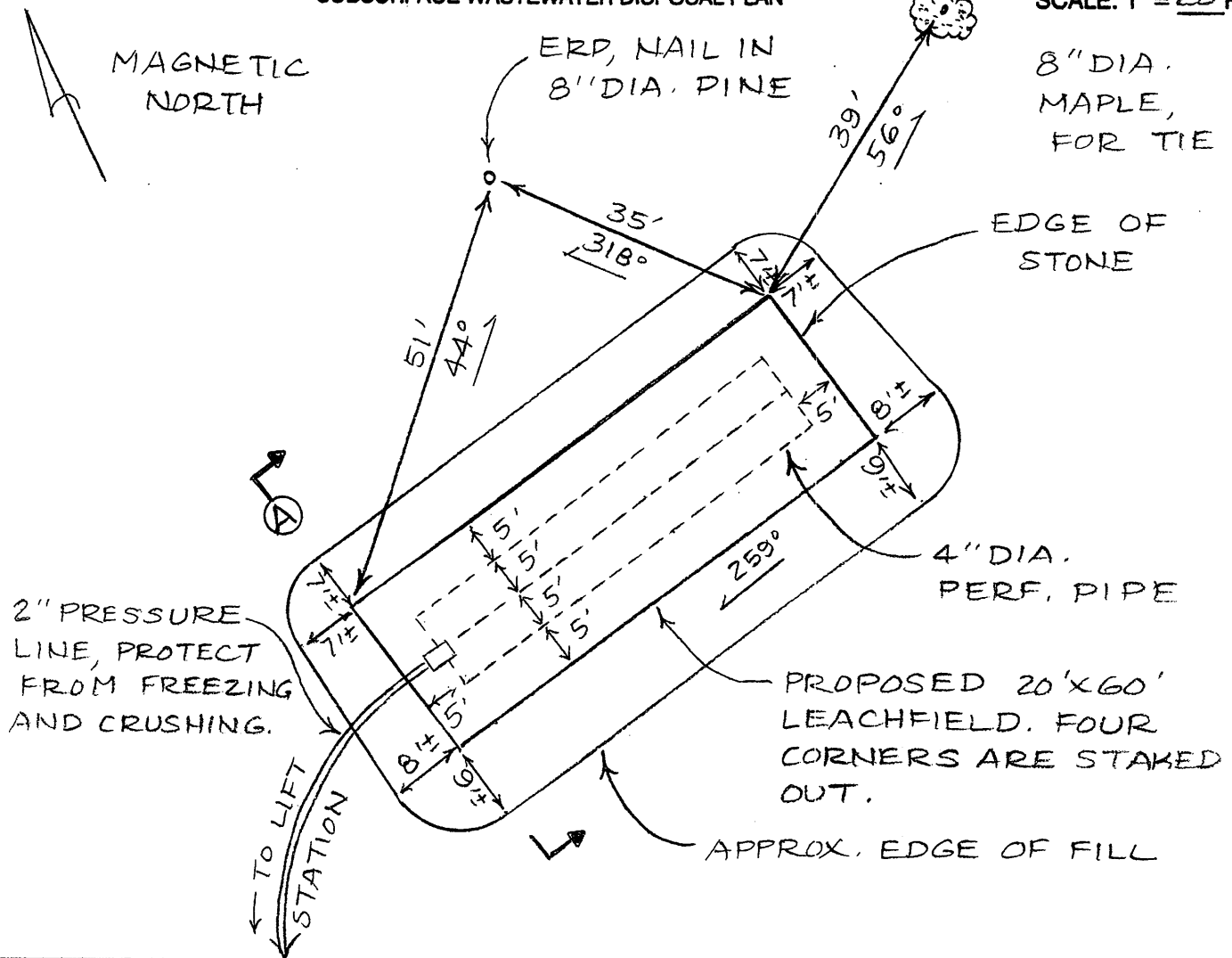
LAMOINE BEACH ROAD

Owner or Applicant Name

MARGARET STEWART

## SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20 FT.



### FILL REQUIREMENTS

Depth of Backfill (Upslope) 12"

Depth of Backfill (Downslope) 16"

### CONSTRUCTION ELEVATIONS

Finished Grade Elevation (CROWN) - 34'

Top of Distribution Pipe or Proprietary Device - 49"

Bottom of Disposal Field - 60"

SYSTEM:

PRIVY:

### ELEVATION REFERENCE POINT

Location & Description NAIL 31"

ABOVE GROUND IN 8" DIA.

PINE TREE

Reference Elevation is: 0"

### DISPOSAL AREA CROSS SECTION (SEE ATTACHED CROSS SECTION)

1. GRADE SURROUNDING AREA TO DIVERT SURFACE WATER AWAY FROM SYSTEM.
2. ALL WORK DONE ADJACENT TO WETLANDS AND WATER BODIES MUST BE DONE IN COMPLIANCE WITH SECTION 11-M OF THE SUBSURFACE WASTEWATER DISPOSAL RULES; EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN ACCORDANCE WITH THE MARCH 2003 EDITION OF THE MAINE DEP HANDBOOK "MAINE EROSION AND SEDIMENT CONTROL BMPS" (DEPLW0588).
3. INSTALL SEPTIC TANK RISERS 18" IN DIAMETER "MINIMUM" TO WITHIN 6" OF FINISH GRADE ON INLET, CLEANOUT AND OUTLET COVERS (RECOMMEND EXTENDING RISERS TO FINISH GRADE); INSTALL RISER TO FINISH GRADE OF APPROPRIATE SIZE TO ALLOW PUMP REMOVAL ON ALL IN-TANK PUMP CHAMBERS AND SEPARATE PUMP TANKS.
4. PROTECT LIFT STATION AND PUMP TANKS FROM FREEZING.
5. SEPTIC TANK TO BE 8 FEET MINIMUM FROM BUILDING.

W. C. L. J.

Site Evaluator's Signature

319

S.E. #

5-24-14

Date

# DISPOSAL BED CROSS SECTION

NOTE: GRADE

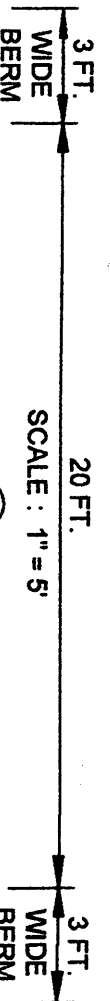
UPSLOPE AND

DOWNSLOPE TO

DIVERT SURFACE

WATER AWAY FROM

SYSTEM.



(A)

FILL MATERIAL SHALL BE 8"-12" THICK OVER STONE AND SHALL BE GRAVELLY COARSE SAND TO THE STANDARDS IN SEC. 11-E IN THE SUBSURFACE RULES.

2" COMPRESSED HAY (OR FILTER FABRIC) SEC. 11-F PLACED OVER STONE.

CROWN FINISH GRADE FROM CENTER AT 3% SLOPE

3%

3%

4" PERF. PIPE, TYPICAL

TOP 4" OF FILL TO BE A GOOD LOAM SOIL MIX TO ESTABLISH A GOOD VEGETATIVE COVER; SEED AND MULCH TO PREVENT EROSION, SEC. 11-G.

FILL EXTENSIONS NO GREATER THAN 4:1, (25% SLOPE).

ORIGINAL GRADE

REMOVE VEGETATION AND SCARIFY ORIGINAL SOIL UNDER ENTIRE FILL AREA, SEC. 11-B.

LIMITING FACTOR

BOTTOM OF STONE MUST BE LEVEL WITH MAXIMUM GRADE TOLERANCE OF 2" PER 100'.

12" CLEAN STONE, (1 1/2" DIA.), UNIFORM SIZE.

THOROUGHLY MIX, DISK OR ROTO-TILL CLEAN, COARSE, SHARP SAND INTO TOP 4 INCHES OF ORIGINAL SOIL TO CREATE A TRANSITION ZONE, SEC. 11-B.

ELEVATIONS:

ELEV. REF. PT. (ERP):

FINISHED GRADE:

TOP OF DISTRIBUTION PIPE:

BOTTOM OF STONE:

0"  
- 34" (CROWN)  
- 49"  
- 60"

NOTE:

SYSTEM MUST BE INSTALLED ACCORDING TO THE RULES AND PRACTICES SET FORTH IN THE MOST CURRENT VERSION OF THE STATE OF MAINE SUBSURFACE WASTEWATER DISPOSAL RULES. INSTALLATION CONTRATOR MUST BE FAMILIAR WITH SAID RULES AND CONSTRUCT SYSTEM IN FULL COMPLIANCE WITH SECTION 11 OF SAID RULES.

OWNER: MARGARET STEWART

LOCATION: LAMOLINE

WILLIAM A. LABELLE, JR.

S.E.#

DATE

319

5-24-14